MOCK TEST 1

Student's name:

Parent's phone number:

Problem	Your answer
P1. What is starting number?	
P2. Alice is thinking a four-digit number.	
• The fourth digit is thrice the first digit.	
• The second digit is the second multiple of 2.	
• The third digit is the smallest even number.	
Find the number.	
P3. Find the value of x: $3\frac{1}{4} + 6\frac{1}{4} + x = 10\frac{1}{10}$	
P4. Which one of the following is equal to 17?	
(A): $3 - 4 \times 5 + 6$ (B) $3 \times 4 + 5 : 6$ C) $3 + 4 \times 5 - 6$	
(D) $3:4+5-6$ (E) $3 \times 4:5+6$	
P5. Circle the point on the number line represents $\frac{1}{10}$	
5 R W K	

P6. There are 18 pupils in a group. There are 10 boys and the rest
are girls. 7 pupils are wearing glasses. If 3 girls are wearing
glasses, how many boys are not wearing glasses?
P7. Round 106.5 to the nearest whole number.
P8. A baker buys 5 kg of flour and 3.5 kg of sugar for the cake and
uses 2.25 kg of flour and 1.75 kg of sugar in the cake. What is the
total amount of flour and sugar left with him?
P9. What percentage of the shape is shaded?
P10. What is the value of 162 + 1620 + 6201 + 2016 = ?
P11. A group of 100 students were asked which hobby do they
like. The venn diagram shows the data.
$A \rightarrow Music \qquad B \rightarrow Dance C \rightarrow Dramatics$
What is the ratio of number of students who like both music and
dance but not dramatics to the number of students who like only
dramatics?
P12. What temperature is shown on the thermomerter?



P16. Jon has a spinner	with 6 n	umbe	ers. H	le reco	ords l	now r	nany		
times the spinner lands on each number.									
1 3 5	Number on the spinner	1	2	3	4	5	6		
2 4 6	How many times	11	7	8	10	5	9		
Which number did the spinner land on the least number of times?									
P17. The odometer of a car shows 165749. Note that all the digits									
of this number are different. At least how many more kilometers									
must be driven so that the car again will have all different digits									
in its odometer? (D) 22 (D) 22									
(A) 28 (B) 30 (C) 31 (D) 33 $P18 Sering's halve sister weighed 18 kg when she was 2 wars old$									
Since then her weight has increased by 5%. What is her weight									
now?									
P19. How many positive two-digit whole numbers are divisible									
by 7?									
P20. There are three circles:									
A: The largest									
B: The middle size									
C: The smallest									
Circle A has a diameter of 10 cm. The smaller circles are drawn so									
that the radius of circle A is the diameter of circle B, and the									
radius of circle B is the diameter of circle C.									
What is the area of circle C?									
(Uses 3.14 for π and round your answer to the nearest tenth.) P21. What number should go in the Δ in the table?									







P39. (Write your answer in detail)

On a coordinate grid, Paul draws a line segment of length 1 from the origin to the right, stopping at (1,0). He then draws a line segment of length 2 up from this point, stopping at (1,2). He continues to draw line segments to the right and up, increasing the length of the line segment he draws by 1 each time. One of his line segments stops at the point (529,506). What is the endpoint of the next line segment that he draws?



P40. (Write your answer in detail)
The figure below shows a 12-sided regular polygon, which is called
DODECACON How many diagonals can be drawn in it?
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